

In the Title

Please change the title of this divisional application as follows: a marked up copy is appended hereto to show changes.

Apparatus and Method for Carrying Out Analysis of Samples Using Semi-Reflective Beam Radiation Inspection.

In the Abstract

Please add the Abstract as follows: a copy of which is submitted herewith as a separate sheet.

An apparatus and method for carrying out analysis of samples using semi-reflective beam radiation inspection in association with an optical disk and an optical reader has an optically transparent substrate having a semi-reflective layer which reflects a portion of the beam of light to form a reflected beam and transmits a portion of the beam of light to form a transmitted beam. The semi-reflective layer includes optically readable encoded information to be read by the reader for controlling the scanning of the reader relative the disk, the encoded information providing modulation of the reflected beam. The disk includes a sample support surface positioned to be scanned by the reader on which the biological, chemical or biochemical sample may be located for optical inspection with the transmitted beam.

In the Claims

Please cancel Claim 1 and add the new claims as follows.

14. An optical disc for use in conducting an optical inspection of a biological, chemical or biochemical sample in association with an optical reader capable of scanning and reading optical discs with a beam of light, said disc comprising:

an optically transparent substrate having a semi-reflective layer which reflects a portion of said beam of light to form a reflected beam and transmits a portion of said beam of light to form a transmitted beam; and

a sample support surface positioned to be scanned by said reader and on which said biological, chemical or biochemical sample may be located, for optical inspection with said transmitted beam.